AMENDMENTS TO THE SPECIFICATION

Please make the following amendments to the specification.

Please replace paragraph [0146] with the following paragraph:

> Reference is now made to Fig. 12A which is an annotated sequence of an EST comprising a novel gene detected by the gene detection system of the present invention. Fig. 12A shows the nucleotide sequence of a known human non-protein coding EST (Expressed Sequence Tag), identified as EST72223 (SEQ ID NO: 86871). It is appreciated that the sequence of this EST comprises sequences of one known miRNA gene, identified as MIR-98, and of one novel GAM gene, referred to here as GAM24, detected by the bioinformatic gene detection system of the present invention, described hereinabove with reference to Fig. 2.

Please replace paragraph [0151] with the following paragraph:

> *Transcript preparations*: Digoxigenin (DIG) labeled transcripts were prepared from EST72223 (TIGER), MIR98 and predicted precursor hairpins by using a DIG RNA labeling kit (Roche Molecular Biochemicals) according to the ~~manufacture"s~~ manufacturer's protocol. Briefly, PCR products with T7 promoter at the 5" end or T3 promoter at the 3" end were prepared from each DNA in order to use it as a template to prepare sense and antisense transcripts, respectively. MIR-98 was amplified using EST72223 as a ~~templet~~ template with T7miR98 forward primer:___5-"TAATACGACTCACTATAGGGTGAGGTAGTAAGTTGTATT GTT-3" (SEQ ID NO: 86874) and T3miR98 ~~revse~~ reverse primer: 5"-AATTAACCCTCACTAAAGGGAAAGTAGTAAGTTGTAT AGTT-3" (SEQ ID NO: 86875). EST72223 was amplified with T7-EST 72223 forward primer:___5"-TAATACGACTCACTA TAGGCCCTTATTAGAGGATTCTGCT-3" (SEQ ID NO: 86876) and T3-EST72223 reverse primer: 5"-AATTAAC CCTCACTAAAGGTTTTTTTTTCCTGAGACAGAGT-3" (SEQ ID NO: 86877). Bet-4 was amplified using EST72223 as a ~~templet~~ template with Bet-4 forward primer: 5"-GAGGCAGG AGAATTGCTTGA- 3" (SEQ ID NO: 86878) and T3-EST72223 reverse primer: 5"-AATTAACCCTCACTAAAGGCCTGAGAC AGAGTCTTGCTC-3" (SEQ ID NO: 86879). The PCR products were cleaned and used for DIG-labeled or unlabeled transcription reactions with the appropriate polymerase. For transfection experiments, CAP reaction was performed by using a ~~mMassage~~ mMessage mMachine kit (Ambion).

Please replace paragraph [0157] with the following paragraph:

Reference is now made to Fig. 13A which is an annotated sequence of an EST comprising a novel gene detected bythe gene detection system of the present invention. Fig.13A shows the nucleotide sequence of a known human non-protein coding EST (Expressed Sequence Tag), identified as EST 7929020 (SEQ ID NO: 86872). It is appreciated that the sequence eof this EST comprises sequences of two novel GAM genes, referred to here as GAM23 and GAM25, detected by the bioinformatic gene detection system of the present invention, described hereinabove with reference to Fig. 2.

Please replace paragraph [0160] with the following paragraph:

Reference is now made to Fig. 14A which is an annotated sequence of an EST comprising a novel gene detected by the gene detection system of the present invention. Fig.14A shows the nucleotide sequence of a known human non-protein coding EST (Expressed Sequence Tag), identified as EST 1388749 (SEQ ID NO: 86873). It is appreciated that the sequence of this EST comprises sequence of a novel GAM gene, referred to here as GAM26, detected by the bioinformatic gene detection system of the present invention, described hereinabove with reference to Fig. 2.